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PATENT

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## COMPUTER TELEPHONY POWER SUPPLY METHOD AND APPARATUS

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### ABSTRACT OF THE DISCLOSURE

10 A method for generating power signals within a telephone server coupled to a computer system via an interface bus or in-house power connector, to a maximum number of telephones, and to a telephone trunk, the computer system providing a primary voltage signal and a secondary voltage signal, includes receiving the primary voltage signal and the secondary voltage signal from the computer system, generating a ringer power signal in response to the primary voltage, generating a direct inward dialing power signal in response to the primary voltage, the direct inward dialing power signal configured to provide a first  
15 operational power signal for telephones from the maximum number of telephones receiving telephone calls directly from the telephone trunk, generating a second operational power signal in response to the primary voltage for telephones from the maximum number of telephones receiving telephone calls from other telephones from the maximum number of telephones, and generating a ringing signal in response to the ringer power signal and to the  
20 secondary voltage signal, wherein the ringer power signal powers ringers of no more than approximately one half of the maximum number of telephones at a time.

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